LifeBook® E8420 Notebook

Supplying more power and better performance with next-generation Intel® Centrino® 2 Mobile Technology, the Fujitsu LifeBook® E8420 notebook provides a highly flexible platform that can be configured to meet a diverse array of business demands. Coupled with renowned Fujitsu product reliability and durability, this notebook will shorten your return on investment cycle and lighten the load on your IT technical support team.

OVERVIEW

Intel® Centrino® 2

Optional Wireless USB combining the speed and security of wired technology with the ease-of-use of wireless technology (Available in U.S. only)

Optional NVIDIA GPU for great graphics performance (256 MB)

Modular bay versatility: Easy-to-swap out an optical drive for a modular bay battery for extended computing experience.

802.11draft/n for excellent WLAN range and throughput

Offers comprehensive security features such as optional fingerprint sensor, dedicated Smart Card slot, embedded TPM and security panel.

HDMI port delivers high-definition video and audio

Serial and parallel ports to connect to legacy peripherals

BENEFITS

Performance

The LifeBook E8420 notebook is available with the Intel® Centrino® 2 Duo Mobile Technology. The two execution cores ensure you are optimized for multi-threaded applications and multitasking.

With Intel® Graphics Media Accelerator 4500MHD Graphics, you're choosing a smarter, integrated solution for your visual needs. The LifeBook E8420 notebook also features a powerful mobile GPU—NVIDIA® GeForce® 9300M GS. This optional graphics card is the ideal solution for today's business professionals because it provides the horsepower needed to drive visual applications along with the tools needed to build more compelling visual communications with rich multimedia.

Easy Deployment & Management

Simplify deployment and management – and ultimately reduce TCO – with the following features:

- A modular bay supports a variety of devices, including a wide selection of optical drives, modular bay battery, and a convenient weight saver insert
- High-capacity and modular bay batteries are available for extended computing time
- The notebook is equipped with HDMI, serial, parallel, and IEEE 1394 ports
- A variety of communications options are available to seamlessly integrate into your corporate environment
- A port replicator (compatible with other LifeBook E8000 series notebooks) is also available for simple connection to all your peripherals

Security

The LifeBook E8420 notebook offers a combination of physical hardware and software security solutions to provide the highest levels of mobile computer protection. When the time comes for an organization to implement one or more security features, the LifeBook E8420 notebook is ready for deployment.

Fujitsu offers an optional built-in biometric fingerprint swipe sensor that eliminates the need for managing multiple passwords when accessing the network and managing email accounts, as well as other protected systems.

The embedded TCG 1.2-compliant Trusted Platform Module (TPM) protects digital identification and data, and can be used to authenticate you into your network. It also allows users to securely store private keys and certificates for file and folder encryption, Web, email, digital signatures, and passwords.

The dedicated Smart Card slot supports a wide range of third-party applications, such as secure online transactions, personalized authentication services, access to personal data, and "e-cash" storage options.

With more than 800,000 possible passwords, the integrated Security Panel system adds another measure of security to help protect your data. The LifeBook E8420 notebook also features two-level hard drive and BIOS password protection, allowing system administrators to have a password that's secret from users, and can be used to unlock their notebook if the user password is lost.

Flexible Connectivity

With built in 56K modem and Gigabit Ethernet LAN, you can easily connect to your office network or Web from practically anywhere. For wireless connectivity, the Intel® Wireless Wi-Fi Link 5300AGN or Atheros XSPAN® offers seamless and flexible connectivity. If you use a Bluetooth-enabled cellular phone or PDA, your LifeBook E8420 notebook can be equipped with integrated Bluetooth (version 2.1) wireless technology for data synchronization and swapping images or data. The HDMI port connects you to the growing world of HD. Watch your video or business presentation on a large HD flat screen.

Stable and Reliable

The LifeBook E8420 notebook has a sturdy magnesium cover—a feature that has contributed to LifeBook notebooks being named some of the most reliable in the industry. The new LifeBook E8420 notebook also features a spill-resistant keyboard.

In a time when most PCs are assembled by third-party vendors, Fujitsu takes pride in its own world-class design, rigorous testing, and manufacturing capabilities. Fujitsu provides extremely high quality mobile computers with one of the lowest failure rates in the industry.

LifeBook® E8420

SOFTWARE

Operating Systems	Genuine Windows Vista® Business Service Pack 1 (with Office Ready PC and Office Professional 2007 60-day free trial)
Software	Adobe Acrobat Reader®, Norton Internet Security™ (90-day free trial)[1], Roxio Easy Media Creator (on select models), CyberLink PowerDirector, CyberLink MakeDisc, Google Desktop, Google Tool Bar, Google Picasa, OmniPass Fingerprint application, Fujitsu Driver Update utility, Fujitsu Portshutter, Fujitsu hotkey utility, Office Ready with Microsoft® Office Professional 2007 60-day trial.
Optional Software	Depending upon your configuration, you may also receive the following: ArcSoft Webcam Companion, Bluetooth driver and applications CD

KEY SPECIFICATIONS *(Listed specifications are for the current model only and NOT for earlier models or revisions to this product.)*

Processor	Intel® Core™ 2 Duo Processor P9550 (2.66 GHz, 6 MB L2 cache, 1066 MHz FSB) Intel® Core™ 2 Duo Processor P8700 (2.53 GHz, 3 MB L2 cache, 1066 MHz FSB) Intel® Core™ 2 Duo Processor P8600 (2.40 GHz, 3MB L2 cache, 1066 MHz FSB)	
Chipset	Intel® GM45 or Intel® PM45 (depending upon system configuration) Intel® Centrino® 2 with Intel® vPro™ technology on select configurations	
Memory	Two DIMM slots; up to 4 GB (2 GB x 2); DDR3 1066 MHz with dual-channel support	
Intel® Turbo Memory	Optional 2 GB of Intel® Turbo Memory (factory installation option). For Genuine Windows Vista® platform only.	
Display	LCD	15.4" Crystal View WXGA or WSXGA+ Anti-glare display
	Video Controller	Intel® Graphics Media Accelerator 4500MHD NVIDIA® GeForce® 9300M GS with total available graphics memory of 256 MB[2]
	Resolution	Internal Display: Max. 1280 x 800 pixel resolution (WXGA) or 1680 x 1050 pixel resolution (WSXGA+ anti-glare), 16M Colors External Only: 1600 x 1200 pixel resolution, 16M colors Simultaneous: 1600 x 1200 pixel resolution, 16M colors
Webcam	Optional built-in 1.3 mega-pixel digital camera	
Hard Drive[3]	160 GB, or 250 GB (7200 rpm) or 120 GB, 160 GB, 250 GB, or 320 GB (5400 rpm); S-ATA 150 shock-mounted	
Optical Drive	Modular Combo DVD/CD-RW Drive: 24x CD-ROM, 24x CD-R, 10x CD-RW, 8x DVD-ROM Modular Dual-Layer Multi-Format DVD Writer: 24x CD-ROM, 24x CD-R, 10x CD-RW, 8x DVD-ROM, 5x DVD-RAM, 8x DVD-R, 4x DVD-R (DL), 6x DVD-RW, 8x DVD-R, 8x DVD-RW Modular DVD-ROM Drive: 8x DVD-ROM, 24x CD-ROM	
Audio	Realtek codec ALC269 with 2-channel High Definition (HD) audio. Headphones: Stereo headphone jack, or, Stereo headphone/line-out jack, Microphone: Mono microphone jack, or, Stereo microphone/line-in jack, Two built-in stereo speakers, 20 mm diameter	
Communication	Multinational[4] 56K[5] V.92 modem, Gigabit (10/100/1000) Ethernet	
Wireless Communication	Optional Integrated Intel® Wi-Fi Link 5300 (3x3), Optional Bluetooth device for wireless personal area network communication, Optional Wireless USB technology (Available in U.S. only); Atheros XSPAN® (802.11 a/b/g/draft n)	
User Interfaces	Integrated touchpad with scroll button; optional quick point 84-key full-size, spill-resistant keyboard with 19 mm key pitch and 2.7 mm key stroke	
Ports	One 15-pin D-SUB connector for VGA external monitor Four USB 2.1 (Universal Serial Bus) connectors for input/output devices One HDMI jack One DC In connector One serial port (RS-232, D-Sub 9-pin) One parallel port (ECP, D-Sub 25-pin) One IEEE 1394 (4-pin type) jack Infrared port (IrDA1.1, 4 Mbps max.) One modular modem (RJ-11) connector One LAN (RJ-45) connector Docking port (100-pin, to dock with port replicator)	One stereo headphone jack or one stereo headphone/line-out jack, depending upon system configuration One mono microphone jack or one stereo microphone/line-in jack, depending upon system configuration Dedicated Smart Card slot (requires third-party application)
Card Slots	PC Card slot for one Type I or Type II card: PCMCIA Standard 2.1 with CardBus support, ExpressCard® slot for one ExpressCard®, Memory Stick/SD Card slot	
Security	Integrated Security Panel, dedicated Smart Card slot, embedded TPM, two-level BIOS and hard drive password protection: user and administrator, and optional Fingerprint sensor	
Battery[6]	Standard Lithium ion battery, 6-cell 10.8V, 5200 mAh, 56.2 W, or, Optional high capacity 8-cell Lithium ion battery, 14.4V, 5200 mAh, 74.9 W, Optional Flexible Bay battery: 6-cell Lithium ion battery, 10.8V, 3800 mAh, 41 W	
	Battery life with UMA Model (WXGA) 6 cell: Up to 2 hrs., 45 mins. 8 cell: Up to 3 hrs., 45 mins. 8 cell and modular bay battery: Up to 6 hrs., 15 mins.	Battery life with NVIDIA® GeForce® 9300M GS (WXGA) 6 cell: Up to 2 hrs., 30 mins. 8 cell: Up to 3 hrs., 30 mins. 8 cell and modular bay battery: Up to 5 hrs., 30 mins.
AC Adapter Determined by the graphics card installed in the system:	Intel® Graphics Media Accelerator 4500MHD video graphics: Autosensing 100-240V AC, supplying 19V DC, 4.22A, 80W	
	NVIDIA GeForce 9300M GS: Autosensing 100-240V AC, supplying 19V DC, 5.27A, 100W	
Dimensions/Weight	14.06" x 10.12" x 1.40/1.44"; Approx. weight 5.93 lbs. with battery and optical drive, With WSXGA+ Anti-Glare display 6.11 lbs. with battery and optical drive	
Operating Temperature	41°F to 95°F / 5°C to 35°C (ambient temperature); 20% to 85% relative humidity, non-condensing	
Non-Operating Temperature	5°F to 140°F / -15°C to 60°C, 8% to 85% relative humidity; non-condensing	
Key Accessories	Port Replicator	
	For a full list of accessories, visit www.shopfujitsu.com or call 1-800-FUJITSU	

COMPLIANCE AND SERVICE INFORMATION

Compliance	FCC Part 15B Class B and FCC Part 15C; FCC Part 15E; IC ICES-003 Class B and RSS-210 UL-cUL Listed FCC Part 68; IC CS-03 CE Marking (Not supported when configured with the WLAN module) ExpressCard® Compliance ID EC100140
Warranty[7]	One- or three-year International Limited Warranty on select corporate configurations; 24/7 technical support; Fujitsu extended service plans available.

FUJITSU

Fujitsu America, Inc.

1250 East Arques Avenue
Sunnyvale, CA 94085-3470, U.S.A.
Telephone: 800 831 3183 or 408 764 6000
Fax: 408 764 5060
Web: us.fujitsu.com/solutions
Email: solutions@us.fujitsu.com

1) Preinstalled with a free 90-day trial version of Symantec Norton Internet Security. The 90-day trial version is activated upon user's acceptance of software license agreement. After 90 days, the user must purchase a subscription from Symantec to download latest virus definitions.

2) Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory.

3) One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.

4) The internal modems on all Fujitsu notebooks from Fujitsu America, Inc. are only qualified for use with telephone systems in selected countries, including the United States and Canada. For a list of certified countries, please check http://solutions.us.fujitsu.com/modems

5) Actual speeds over U.S. telephone lines vary, and are less than 56 Kbps due to the current FCC regulations and line conditions.

6) Battery life estimates reflect the results of BAPCo MobileMark2007 Productivity Workloads performed upon systems with battery life setting enabled. Actual battery life will vary based on screen brightness, applications used, features selected, power management settings, battery conditioning, and other customer preferences. LAN, wireless LAN or hard drive usage may also have a significant impact on battery life.

7) Service and warranty turnaround time may vary by country and product. International warranty valid only for products purchased in North, Central, and South America.

Fujitsu, the Fujitsu logo, and LifeBook are registered trademarks of Fujitsu Limited. Centrino, Intel, Intel Core Duo, the Centrino logo and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Atheros is a registered trademark and Super AG is a trademark of Atheros Communications, Inc. Microsoft, Windows Vista, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Wi-Fi is a trademark of the Wireless Ethernet Compatibility Alliance (WECA). Adobe Acrobat Reader is a registered trademark of Adobe Systems, Inc. Dolby is a registered trademark of Dolby Laboratories. The ExpressCard wordmark and logo are owned by PCCIA and any use of such marks by Fujitsu America, Inc. is under license. All other trademarks mentioned herein are the property of their respective owners. Product description data represents Fujitsu design objectives and is provided for comparative purposes; actual results may vary based on a variety of factors. Specifications are subject to change without notice.

©2009 Fujitsu America, Inc.
All rights reserved. FPC65-1912-10 04/09.
09.0268

LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE, OR FEDERAL LAWS.